

ORDER 450.1 ENVIRONMENTAL
PROTECTION PROGRAM
WORKSHOP

GROUND WATER PROTECTION

JAMES BACHMAIER

202-586-0341

james.bachmaier@eh.doe.gov

EMS APPROACH TO GW PROTECTION

- SITE-WIDE PROGRAM
- INTEGRATED PROGRAM THAT COMBINES
 - REMEDIATION AND PREVENTION
 - COMPLIANCE WITH EXTERNAL AND INTERNAL REQUIREMENTS
 - PROGRAM ACTIVITIES AND LANDLORD FUNCTIONS

FLEXIBLE APPROACH FOR LONG-TERM

- PROGRAM MUST ADDRESS CURRENT NEEDS
- PROGRAM MUST ADAPT OVER TIME TO ADDRESS CHANGES
- PROGRAM MUST SERVE AS A REPOSITORY FOR HISTORICAL GW ACTIVITIES, DOCUMENTS, DATA

EXPECTATIONS FOR SITE-WIDE GW PROGRAMS

- EMS APPROACH TO GW PROTECTION PROVIDES FLEXIBILITY
- BUT – ALL SITES SHOULD MEET COMMON OBJECTIVES

COMMON OBJECTIVES FOR GW PROTECTION

- GOALS FOR PREVENTING FUTURE CONTAMINATION AND CONTROLLING EXISTING CONTAMINATION
- DOCUMENT QUALITY OF AMBIENT GROUND WATER AND VADOSE ZONE CONDITIONS

COMMON OBJECTIVES FOR GW PROTECTION

- IDENTIFY FUTURE SOURCES OF
CONTAMINATION
- DESCRIBE STRATEGIES FOR
PREVENTING FUTURE
CONTAMINATION AND
CONTROLLING EXISTING
CONTAMINATION

COMMON OBJECTIVES FOR GW PROTECTION

- DESCRIBE MEASURES FOR
MONITORING GROUND WATER AND
VADOSE ZONE
- ENSURE THAT ALL EXTERNAL AND
INTERNAL REQUIREMENTS ARE MET